

ABSTRACT OF THE DISCLOSURE

A method for making a double-sided microlens mold and microlens array mold is described which utilizes a spinning half radius diamond cutting member operated in a plunge cut in a technique similar to milling to cut the optical surface into a diamond turnable material. The method can be used to make high sag lens molds with high accuracy. Microlens array molds can be made with a high degree of uniformity and a nearly 100% fill factor.

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